

P. Gamber

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/081,522

DATE: 03/21/2000
TIME: 11:56:03

INPUT SET: S35088.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Brooks, Peter
Cheresh, David A

ENTERED

(ii) TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL FOR
INHIBITION OF ANGIOGENESIS

(iii) NUMBER OF SEQUENCES: 14

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Office of Patent Counsel, The Scripps
Research Institute

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(C) CITY: La Jolla

(D) STATE: CA

(E) COUNTRY: USA

(F) ZIP: 92037

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 09/081,522

(B) FILING DATE:

(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US/08/210,715

(B) FILING DATE: 18-MAR-1994

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Fitting, Thomas

(B) REGISTRATION NUMBER: 34,163

(C) REFERENCE/DOCKET NUMBER: TSRI 419.0

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (619) 554-2937

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47 (2) INFORMATION FOR SEQ ID NO:1:
48
49 (i) SEQUENCE CHARACTERISTICS:
50 (A) LENGTH: 6 amino acids
51 (B) TYPE: amino acid
52 (C) STRANDEDNESS: single
53 (D) TOPOLOGY: linear
54
55 (ii) MOLECULE TYPE: peptide
56
57 (iii) HYPOTHETICAL: NO
58
59 (iv) ANTI-SENSE: NO
60
61 (v) FRAGMENT TYPE: internal
62
63
64 (ix) FEATURE:
65 (A) NAME/KEY: Peptide
66 (B) LOCATION: 1..6
67 (D) OTHER INFORMATION: /label= BOC-GRGDFV-OMe
68 /note= "BOC signifies the N-terminal protecting
69 group butyloxycarbonyl; OMe signifies a C-terminal
70 methyl ester; arginine in the second position
71
72 (ix) FEATURE:
73 (A) NAME/KEY: Peptide
74 (B) LOCATION: 1..6
75 (D) OTHER INFORMATION: /label= OMe
76 /note= "OMe signifies the C-terminal protecting
77 group methyl ester."
78
79 (ix) FEATURE:
80 (A) NAME/KEY: Peptide
81 (B) LOCATION: 1..6
82 (D) OTHER INFORMATION: /label= D-Arg
83 /note= "A prefix "D" in D-Arg signifies that the
84 arginine in position 2 is a D-amino acid."
85
86
87 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
88
89 Gly Arg Gly Asp Phe Val
90 1 5
91
92 (2) INFORMATION FOR SEQ ID NO:2:
93
94 (i) SEQUENCE CHARACTERISTICS:
95 (A) LENGTH: 6 amino acids
96 (B) TYPE: amino acid
97 (C) STRANDEDNESS: single
98 (D) TOPOLOGY: linear
99

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100 (ii) MOLECULE TYPE: peptide
101
102 (iii) HYPOTHETICAL: NO
103
104 (iv) ANTI-SENSE: NO
105
106 (v) FRAGMENT TYPE: internal
107
108
109 (ix) FEATURE:
110 (A) NAME/KEY: Peptide
111 (B) LOCATION: 1..6
112 (D) OTHER INFORMATION: /label= BOC
113 /note= "BOC signifies the N-terminal blocking
114 group tertbutyloxycarbonyl."
115
116 (ix) FEATURE:
117 (A) NAME/KEY: Peptide
118 (B) LOCATION: 1..6
119 (D) OTHER INFORMATION: /label= OH
120 /note= "OH signifies a free C-terminal carboxylic
121 acid."
122
123 (ix) FEATURE:
124 (A) NAME/KEY: Peptide
125 (B) LOCATION: 1..6
126 (D) OTHER INFORMATION: /label= D-Arg
127 /note= "A prefix "D" in D-Arg signifies that the
128 arginine in position 2 is a D-amino acid."
129
130
131 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
132
133 Gly Arg Gly Asp Phe Val
134 1 5
135
136 (2) INFORMATION FOR SEQ ID NO:3:
137
138 (i) SEQUENCE CHARACTERISTICS:
139 (A) LENGTH: 6 amino acids
140 (B) TYPE: amino acid
141 (C) STRANDEDNESS: single
142 (D) TOPOLOGY: linear
143
144 (ii) MOLECULE TYPE: peptide
145
146 (iii) HYPOTHETICAL: NO
147
148 (iv) ANTI-SENSE: NO
149
150 (v) FRAGMENT TYPE: internal
151
152

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153 (ix) FEATURE:
154 (A) NAME/KEY: Peptide
155 (B) LOCATION: 1..6
156 (D) OTHER INFORMATION: /label= H
157 /note= "H signifies a free N-terminal amine."
158
159 (ix) FEATURE:
160 (A) NAME/KEY: Peptide
161 (B) LOCATION: 1..6
162 (D) OTHER INFORMATION: /label= OH
163 /note= "OH signifies a free C-terminal carboxylic
164 acid."
165
166 (ix) FEATURE:
167 (A) NAME/KEY: Peptide
168 (B) LOCATION: 1..6
169 (D) OTHER INFORMATION: /label= D-Arg
170 /note= "A prefix "D" in D-Arg at position 2,
171 signifies that the arginine is a D-amino acid."
172
173
174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
175
176 Gly Arg Gly Asp Phe Val
177 1 5
178
179 (2) INFORMATION FOR SEQ ID NO:4:
180
181 (i) SEQUENCE CHARACTERISTICS:
182 (A) LENGTH: 6 amino acids
183 (B) TYPE: amino acid
184 (C) STRANDEDNESS: single
185 (D) TOPOLOGY: circular
186
187 (ii) MOLECULE TYPE: peptide
188
189 (iii) HYPOTHETICAL: NO
190
191 (iv) ANTI-SENSE: NO
192
193 (v) FRAGMENT TYPE: internal
194
195
196 (ix) FEATURE:
197 (A) NAME/KEY: Peptide
198 (B) LOCATION: 1..6
199 (D) OTHER INFORMATION: /label= cyclo
200 /note= "Cyclo signifies a cyclic peptide; lower
201 case letters indicate a D-amino acid; capital
202 letters indicate a L-amino acid."
203
204
205 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

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206
207 Gly Arg Gly Asp Phe Val
208 1 5
209
210 (2) INFORMATION FOR SEQ ID NO:5:
211
212 (i) SEQUENCE CHARACTERISTICS:
213 (A) LENGTH: 5 amino acids
214 (B) TYPE: amino acid
215 (C) STRANDEDNESS: single
216 (D) TOPOLOGY: circular
217
218 (ii) MOLECULE TYPE: peptide
219
220 (iii) HYPOTHETICAL: NO
221
222 (iv) ANTI-SENSE: NO
223
224 (v) FRAGMENT TYPE: internal
225
226
227 (ix) FEATURE:
228 (A) NAME/KEY: Peptide
229 (B) LOCATION: 1..5
230 (D) OTHER INFORMATION: /label= cyclo
231 /note= "Cyclo signifies a cyclic peptide; lower
232 case letters indicate a D-amino acid; capital
233 letters indicate a L-amino acid."
234
235
236 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
237
238 Arg Gly Asp Phe Val
239 1 5
240
241 (2) INFORMATION FOR SEQ ID NO:6:
242
243 (i) SEQUENCE CHARACTERISTICS:
244 (A) LENGTH: 5 amino acids
245 (B) TYPE: amino acid
246 (C) STRANDEDNESS: single
247 (D) TOPOLOGY: circular
248
249 (ii) MOLECULE TYPE: peptide
250
251 (iii) HYPOTHETICAL: NO
252
253 (iv) ANTI-SENSE: NO
254
255 (v) FRAGMENT TYPE: internal
256
257
258 (ix) FEATURE:

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